Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/19/2021 09:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124241	-1	3.36	124232	3.30
Blue	F	SSC	125000	123875	-1	4.35	124747	4.26
Blue	E	FITC	14203	13706	-4	3.67	298	15.93
Blue	D	PE	25703	25268	-2	3.32	547	10.97
Blue	B	PerCP-Cy5-5	42104	40596	-4	3.88	909	15.49
Blue	A	PE-Cy7	34646	34251	-2	5.19	491	30.33
Red	C	APC	49824	49160	-2	3.19	1505	11.47
Red	A	APC-Cy7	39773	38862	-3	3.34	741	12.12
Violet	B	V450	7447	7231	-3	4.19	410	12.58
Violet	A	V500	31193	30065	-4	4.10	685	10.26

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21818	3.72	555	-1	N/A	N/A	Pass
Blue	F	SSC	54530	4.04	519	7	N/A	N/A	Pass
Blue	E	FITC	55	51.89	488	2	0.0353	26	Pass
Blue	D	PE	108	39.92	490	5	0.4036	342	Pass
Blue	B	PerCP-Cy5-5	173	35.87	581	4	0.0168	0	Pass
Blue	A	PE-Cy7	111	66.72	627	7	0.0207	5	Pass
Red	C	APC	349	24.21	568	1	0.0281	118	Pass
Red	A	APC-Cy7	206	23.86	545	1	0.0055	15	Pass
Violet	B	V450	90	39.65	450	1	0.0449	1304	Pass
Violet	A	V500	121	28.36	467	0	0.0247	540	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.22	-32.02	1.05
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	21.12	15.99 - 23.99	N/A	N/A	30.46	30.70	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9609

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments